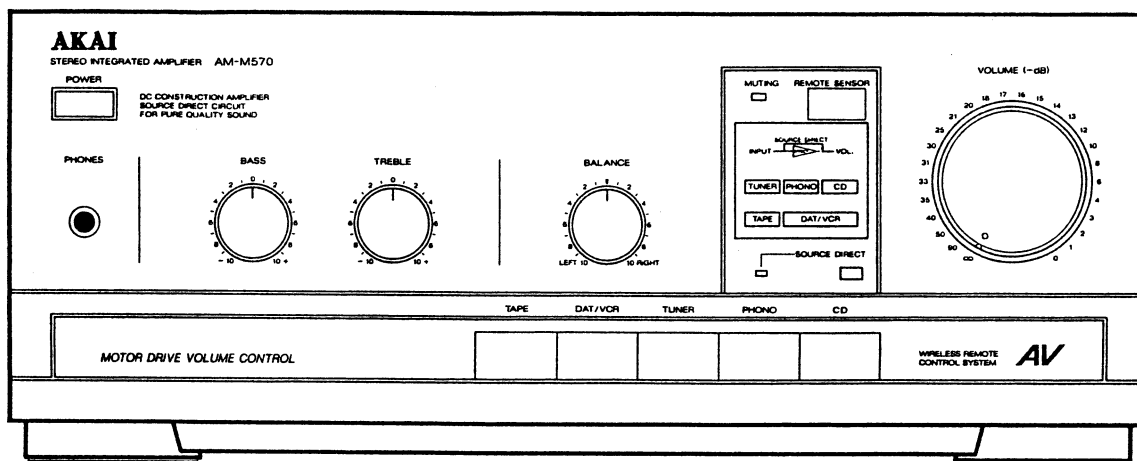
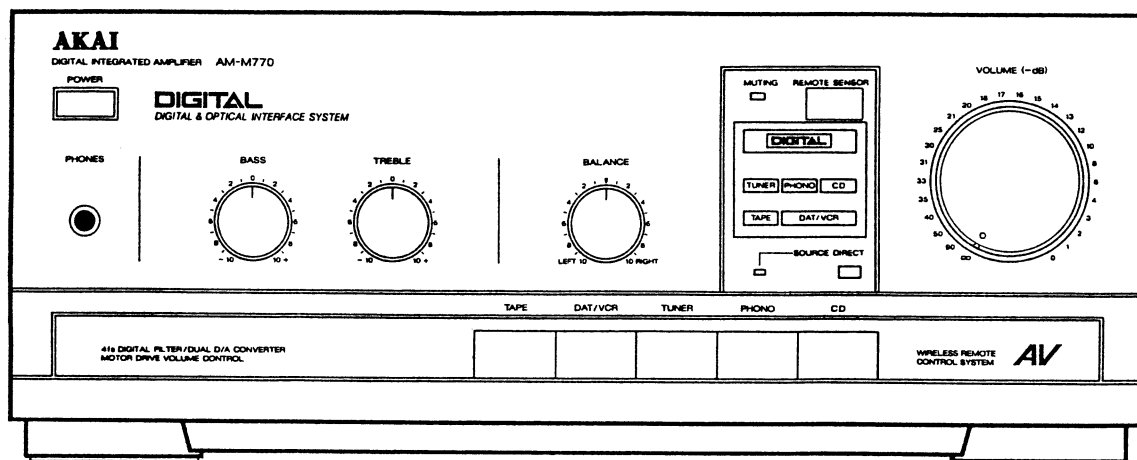


AKAI SERVICE MANUAL



MODEL AM-M570



MODEL AM-M770

STEREO INTERGRATED AMPLIFIER

MODEL **AM-M570**

DIGITAL INTERGRATED AMPLIFIER

MODEL **AM-M770**

★ SAFETY INSTRUCTIONS

PRECAUTIONS DURING SERVICING

1. Parts identified by the Δ (*) symbol are critical for safety. Replace only with parts number specified.
2. In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation.
These must also be replaced only with specified replacements.

Examples: RF converters, tuner units, antenna selector switches, RF cables, noise blocking capacitors, noise blocking filters, etc.

3. Use specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
 - 2) PVC tubing
 - 3) Spacers (Insulating Barriers)
 - 4) Insulation sheets for transistors
 - 5) Plastic screws for fixing microswitch (especially in turntable)
5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.



6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).



[DANGER]



(RECOMMENDED WAY)

★ INFORMATION

SYMBOLS FOR PRIMARY DESTINATION

Alphabet indicates the destination of the units as listed below.

Symbols	Principal Destinations
A	USA
B	UK
C	Canada
E	Europe (except UK)
J	Japan
S	Australia
V	W. Germany only
U	Universal Area
Y*	Custom version

7. Check that replaced wires do not contact sharp edged or pointed parts.
8. Also check areas surrounding repaired locations.
9. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

SAFETY CHECK AFTER SERVICING

After servicing, make measurements of leakage-current or resistance in order to determine that exposed parts are acceptably insulated from the supply circuit.

The leakage-current measurement should be done between accessible metal parts (such as chassis, ground terminal, microphone jacks, signal-input/output connectors, etc.) and the earth ground through a resistor of 1500 ohms paralleled with a 0.15 μF capacitor, under the unit's normal working conditions. The leakage-current should be less than 0.5 mA rms AC.

The resistance measurement should be done between accessible exposed metal parts and power cord plug prongs with the power switch (if included) "ON". The resistance should be more than 2.2 Mohms.

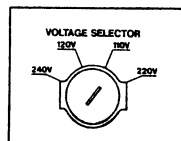
PRECAUTIONS FOR LITHIUM BATTERY

**The lithium battery explode when heated excessively.
[OBSERVE THE FOLLOWING WHEN REPLACING]**

- Replace with the same make and type only
- Use soldering iron in “recommended way” only.
- Place battery in correct polarity.
- Do not short the terminals.
- Do not recharge battery.
- Do not dispose of battery in fire.

VOLTAGE CONVERSION (U Model only)

Before connecting the power cord, set the **VOLTAGE SELECTOR** located on the rear panel with a screwdriver so that the correct voltage is indicated.



I. SPECIFICATIONS

1-1 MODEL AM-M570

<p>Power output by DIN (1 kHz, 8 ohms) 40 W + 40 W</p> <p>Music Power 190 W</p> <p>Power bandwidth 5 Hz ~ 80 kHz/0.1%</p> <p>S/N(IHF-A)</p> <p> PHONO 72 dB</p> <p> TUNER etc 93 dB</p> <p>Residual noise 0.5 mV</p> <p>Channel separation (1 kHz) 60 dB</p> <p>Damping Factor (1 kHz, 8 ohms) 35</p> <p>Required speaker impedance 8 ~ 16 ohms</p> <p>Input sensitivity/impedance</p> <p> PHONO 2m V/47 kohms</p> <p> TUNER etc 150 mV/47 kohms</p> <p>PHONO max input level (1 kHz) 100mV</p> <p>Output level/impednce</p> <p> TAPE 150 mV/1 kohms</p>	<p>Frequency response</p> <p> PHONO ± 0.5 dB(RIAA)</p> <p> TUNER etc 10 Hz - 50 kHz (-3 dB, at source direct)</p> <p>Tone control</p> <p> BASS ± 8.5 dB at 100 Hz</p> <p> TREBLE ± 8.5 dB at 10 kHz</p> <p>Power requirements 220 V, 50 Hz for Europe except UK 240 V, 50 Hz for UK and Australia 110 V/120 V/220 V/240 V, 50 Hz/ 60 Hz Convertible for other countries</p> <p>Dimensions 350 (W) \times 138(H) \times 360 (D) mm</p> <p>Weight 5.7 kg</p>
	<p>Standard accessories</p> <p> Wireless remote control $\times 1$</p> <p> Dry batteries(R6, DC1.5V) $\times 2$</p> <p> Operator's manual $\times 1$</p>

* For improvement purposes, specifications and design are subject to change without notice.

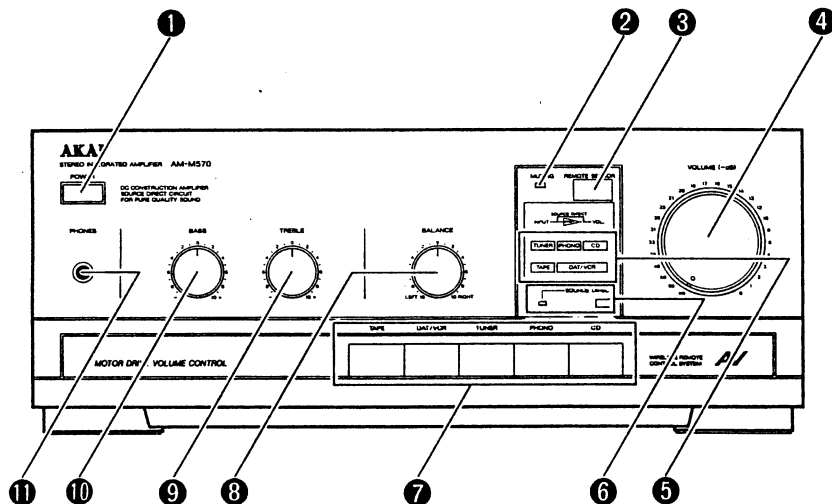
1-2 MODEL AM-M770

<p>Power output by DIN</p> <p>(1kHz, 8 ohms) 55 W + 55 W</p> <p>Music Power 250 W</p> <p>Power bandwidth 5 Hz ~ 80 kHz/0.1 %</p> <p>S/N(IHF-A)</p> <p> PHONO 72 dB</p> <p> TUNER etc 93 dB</p> <p>Residual noise 0.5 mV</p> <p>Channel separation</p> <p>(1 kHz) 60 dB</p> <p>Damping Factor</p> <p>(1 kHz, 8 ohms) 35</p> <p>Required speaker</p> <p>impedance 8 ~ 16 ohms</p> <p>Input sensitivity/impedance</p> <p> PHONO 2 mV/47 kohms</p> <p> TUNER etc 150 mV/47 kohms</p> <p>Digital input level</p> <p>(CD,OPTICAL) -22 dBm</p> <p>PHONO max input level</p> <p>(1 kHz) 100 mV</p>	<p>Output level/impedance</p> <p> TAPE 150 mV/1 kohms</p> <p>Frequency response</p> <p> PHONO ± 0.5 dB(RIAA)</p> <p> TUNER etc 10 Hz - 50 kHz (-3 dB. at source direct)</p> <p>Tone control</p> <p> BASS ± 8.5 dB at 100 Hz</p> <p> TREBLE ± 8.5 dB at 10 kHz</p> <p>Power requirements 220 V, 50 Hz for Europe except UK 240 V, 50 Hz for UK and Australia 110 V/220 V/220 V/240 V, 50 Hz/ 60 Hz</p> <p> Convertible for other countries</p> <p>Dimensions 350 (W) × 138 (H) × 360 (D) mm</p> <p>Weight 6.5 kg</p>
	<p>Standard accessories</p> <p>Wireless remote control × 1</p> <p>Dry batteries(R6, DC1.5V) × 2</p> <p>Operation's manual × 1</p>

* For improvement purposes, specifications and design are subject to change without notice.

II. CONTROL

2-1. MODEL AM-M570



1 POWER Button
To turn the power on and off.

2 MUTING Indicator
Lights when the remote control's MUTE button is turned on. The volume is attenuated by -20 dB from the set volume level.

3 REMOTE SENSOR Window
The signals from the remote control are received by this window. Keep this window clean.

4 VOLUME Control and Indicator (Motor driven for remote control operation)
To adjust the volume level.

5 Input Source Indicators (TUNER, PHONO, CD, TAPE, DAT/VCR)
Tells you the amplifier is turned on and which playback source is selected.

6 SOURCE DIRECT Button and Indicator
When engaged, the input signal bypasses the BASS, TREBLE and BALANCE control for optimum sound quality playback. The indicator lights when the SOURCE DIRECT button is turned on.

7 Input Select Buttons (TAPE, DAT/VCR, TUNER, PHONO, CD)
To select a playback or recording source you wish to listen to.

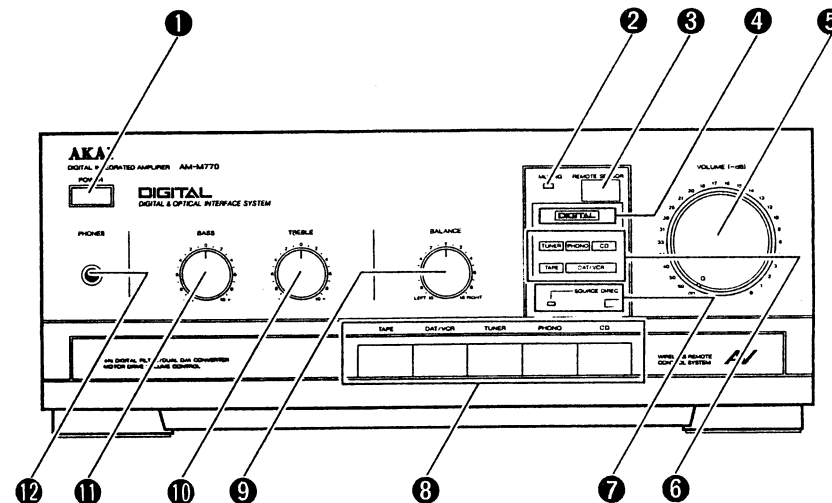
8 BALANCE Control (LEFT/RIGHT)
To adjust the left and right channel volume balance.

9 TREBLE Tone Control
To adjust the high note (treble) level. When set to 0, the control has no effect.

10 BASS Tone Control
To adjust the low note (bass) level. When set to 0, the control has no effect.

11 PHONES Jack
Connect headphones to this jack for private listening. When the headphones are connected, the speaker output will be cut automatically.

2-2. MODEL AM-M770



1 POWER Button
To turn the power on and off.

2 MUTING Indicator
Lights when the remote control unit's MUTE button is turned on. The volume is attenuated by -20 dB (to 1/10).

3 REMOTE SENSOR Window
The signals from the remote control are received by this window. Keep this window clean.

4 DIGITAL Indicator
Tells you the amplifier is in the CD mode. In this case, playback signals are received at the digital input.

5 VOLUME Control and Indicator (Motor driven for remote control operation)
To adjust the volume level.

6 Input Source Indicators (TAPE, DAT/VCR, TUNER, CD, PHONO)
Tells you the amplifier is turned on and which playback source is selected.

7 SOURCE DIRECT Button and Indicator
When engaged, the input signal bypasses the BASS and TREBLE tone control for optimum sound quality. The indicator lights when the SOURCE DIRECT button is turned on.

8 Input Select Buttons (TAPE, DAT/VCR, TUNER, CD, PHONO)
To select a playback or recording source you wish to listen to.

9 BALANCE Control (LEFT/RIGHT)
To adjust the volume balance of the left and right channels.

10 TREBLE Tone Control
To adjust the high note (treble) level. When set to 0, the control has no effect.

11 BASS Tone Control
To adjust the low note (bass) level. When set to 0, the control has no effect.

12 PHONES Jack
Connect headphones to this jack for private listening. When the headphones are connected, the speaker output will be cut automatically.

2-3 REMOTE CONTROL UNIT

Transmitting window

Tuner control section

TUNER 1/9 to 8/16 Buttons: To tune in a memorized station of the tuner.

Cassette deck control section

TAPE I (Tape 1) Deck control buttons

■ Button: To stop the tape 1 deck.

▶ and ◀ Buttons: To start forward or reverse direction playback or recording (HX-M770W).

◀◀ or ▶▶ Buttons: To quickly wind the cassette tape.

⏏ REC PAUSE Button: To set the tape 1 deck into the recording mode. Recording will only be performed if your TAPE 1 deck is equipped with a recording facility.

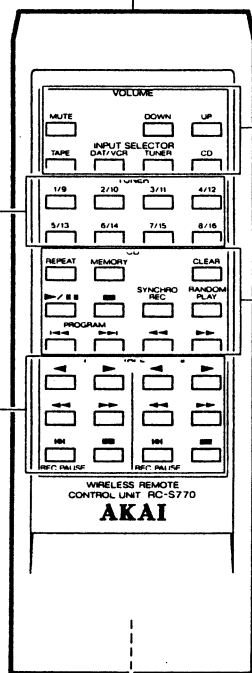
TAPE II (Tape 2) Deck control buttons

■ Button: To stop the tape 2 deck.

▶ and ◀ Buttons: To start forward or reverse playback or recording.

◀◀ or ▶▶ Buttons: To quickly wind the cassette tape.

⏏ REC PAUSE Button: To set the tape 2 deck into the recording mode.



Amplifier control section

VOLUME MUTE Button: Attenuates the playback volume.

VOLUME DOWN Button: Decreases the volume.

VOLUME UP Button: Increases the volume.

INPUT SELECTOR Buttons (TAPE, DAT/VCR, TUNER, CD): To select an input source for playback or recording.

CD player control section

REPEAT Button: For repeat playback.

MEMORY Button: To memorize tracks for programmed playback.

CLEAR Button: To cancel the memorized program for programmed playback.

▶/II Button: To start and stop playback temporarily.

■ Button: To stop playback.

PROGRAM ◀◀ and ▶▶ Buttons: For skip operation during playback.

Search ◀◀ and ▶▶ Buttons: For search operation during playback.

SYNCHRO REC Button: To start synchronized recording operation.

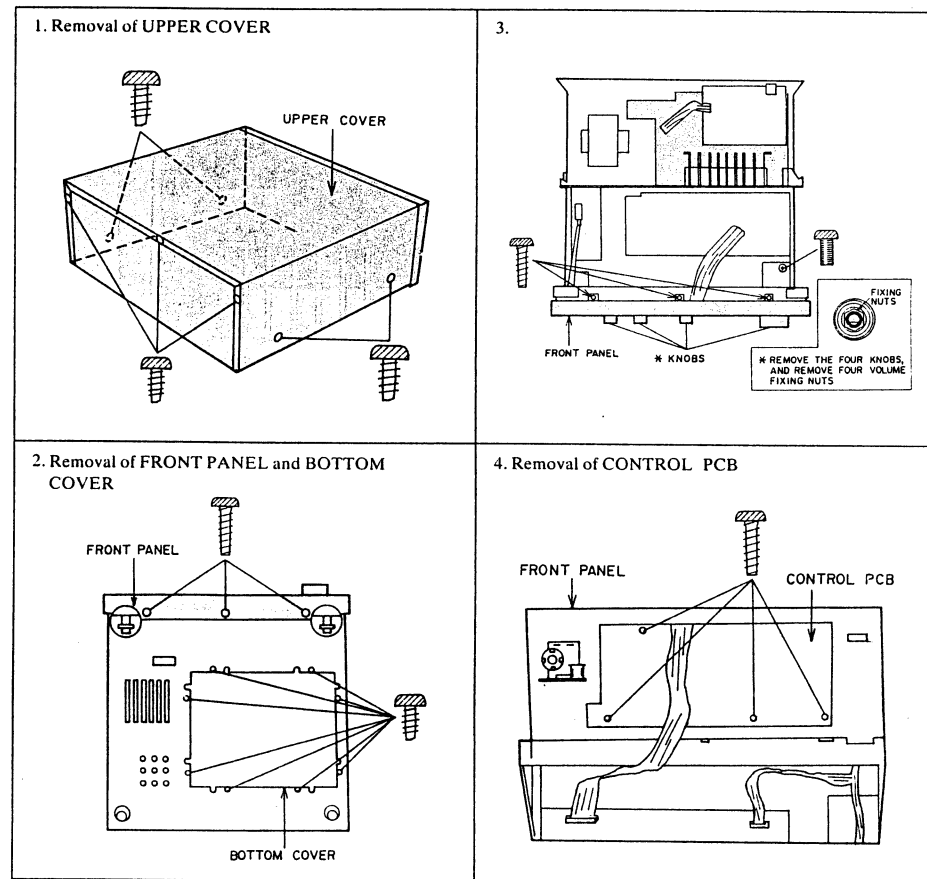
RANDOM PLAY Button: To start random playback.

Battery compartment and cover

III. DISASSEMBLY

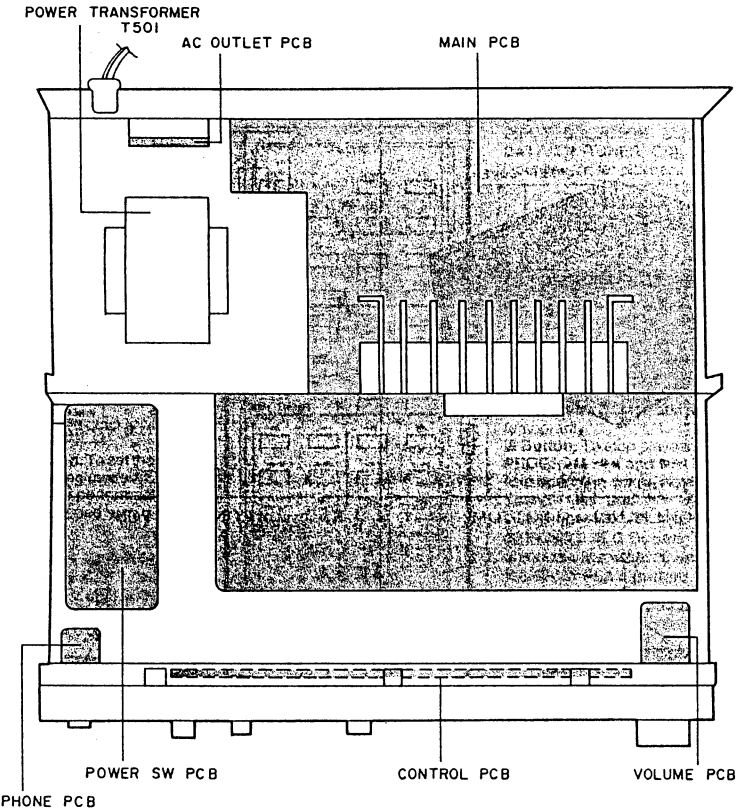
In case of trouble, etc necessitating dismantling, please dismantle in the illustrations. Reassemble in reverse order.

* Illustrations employed in this paragraph are of model AM-M770

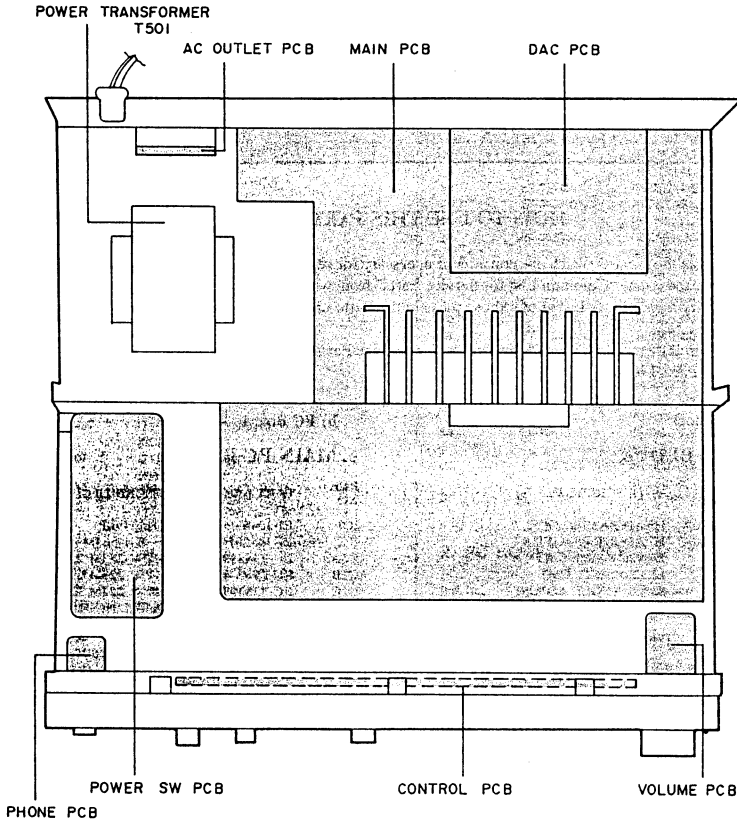


IV. PRINCIPAL PARTS LOCATION

4-1.MODEL AM-M570



4-2. MODEL AM-M770



V. PARTS LIST

ATTENTION

1. When placing an order for parts, be sure to list Part No., Model No. and the description of each part. Otherwise, the non-delivery of the part or the delivery of a wrong part may result.
2. Please make sure that Part No. is correct when ordering. If not, a part different from the one you ordered may be delivered.
3. Since the parts shown in Parts List of Preliminary Service Manual may have been the subject of changes, please use this Parts List for all future reference.

HOW TO USE THIS PARTS LIST

1. This Parts List lists those parts which are considered necessary for repairs. Other common parts, such as resistors and capacitors, are listed in the "Common List for Service Parts" from which these parts should be selected and stocked.
2. The Recommended Spare Parts List shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not in principle be supplied.
4. How to read the Parts List.

a) Mechanism Block

2. HEAD BASE BLOCK

REF. NO.	PART NO.	DESCRIPTION
1	BH-T2023A320A	HEAD BASE BLOCK
2	HP-H2206A010A	HEAD R/P PR4-8FU C
3	ZS-477876	PAN20X03STL CMT
4	ZS-536488	BID20X08STL CMT
5	ZG-402895	SP CS ANGLE ADJUST

SP (Service Parts) Classification

This number corresponds with the individual parts index number in that figure.

b) PC Board

6. MAIN PC BOARD

REF. NO.	PART NO.	DESCRIPTION
IC1	EI-324536	IC HD14049BP
IC2	EI-336801	IC MB8841-564M
C1A	EC-338399	C MMY V 223M 250AC [U,E,B,S]
C1B	EC-350949	C MMY V 223M 250DC [U]
C1C	EC-338397	C MMY V 223M 125AC [C,A]
X1	EI-318384	OSC X'TAL NC-18C

Symbols for primary destination

[A]: AAL (U.S.A) [S]: SAA (Australia)
[B]: BEAB (England) [U]: U/T (Universal)
[C]: CSA (Canada) Area
[E]: CEE (Europe) [V]: VDE (W. Germany)
[J]: JPN (Japan) [Y]: Custom Version

SP (Service Parts) Classification

These reference symbols correspond with component symbols in the Schematic Diagrams.

The available PC Board Blocks are listed separately.

5. When Part No. is known, Parts Index at end of Parts List can be used to locate where that part is shown in Parts List by its Reference No. listed at right of Part No.

WARNING

Δ(*) INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS.

AVERTISSEMENT

Δ(*) IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

1. RECOMMENDED SPARE PARTS

We suggest you to stock the following Recommended Spare Part items listed below since they can cover most of the routine service.

Ref. No.	Part No.	Description
1	AX-729675T	REMOCON UNIT RC-S770
2	*BT-725449T	TRANS POW AM-M459(B,S) [B,S] [AM-M570]
3	*BT-725450T	TRANS POW AM-M459(E,V) [E] [AM-M570]
4	*BT-725451T	TRANS POW AM-M459(U) [U] [AM-M570]
5	*BT-729695T	TRANS POW AM-M570(V) [V] [AM-M570]
6	*BT-725472T	TRANS POW AM-M659(B,S) [B,S] [AM-M770]
7	*BT-725473T	TRANS POW AM-M659(E,V) [E] [AM-M770]
8	*BT-725474T	TRANS POW AM-M659(U) [U] [AM-M770]
9	*BT-729694T	TRANS POW AM-M770(V) [V] [AM-M770]
10	ED-725460T	D LED SE-2422
11	ED-725448T	D LED SE-5004DT RED [MUTING]
12	ED-725646T	D LED SE-5024D GRN [CD]
13	ED-365107	D LED SLP-384C-50 GREEN [AM-M770]
14	ED-360409	D PHOTO PN323B
15	*ED-200213	D SILICON DBA40C-K15 200/2.6A [AM-M570]
16	*ED-350748	D SILICON DBA60C-K15 200/6.0A [AM-M770]
17	*ED-357754	D SILICON DS135D 200/1.0A
18	ED-301911	D SILICON H DS448
19	ED-346526	D ZENER H HZ681L
20	*ED-308860	D ZENER H RD16E B
21	*ED-200967	D ZENER H RD5.6E B2
22	*ED-741184	D ZENER H RD6.6E B3
23	*ED-727508J	D ZENER RD5.1E B3
24	*EF-364518	FUSE BET T 250V 2.50A [E,V,B,S] [AM-M570]
25	*EF-359086	FUSE BET T 250V 4.00A [U]
26	*EF-623103	FUSE SEMKO T 250V 1.00A [E,V,B,S] [AM-M570]
27	*EF-602550	FUSE SEMKO T 250V 1.25A [E,V,B,S] [AM-M770]
28	*EF-691007	FUSE SEMKO T 250V 3.15A [E,V,B,S] [AM-M770]
29	*EF-690996	FUSE SEMKO T 250V 4.00A [E,V,B,S] [AM-M770]
30	*EF-308847	FUSE TSC 125V 1.60A [U] [AM-M570]
31	*EF-306954	FUSE TSC 125V 2.00A [U] [AM-M770]
32	EI-367572	IC BA15218
33	EI-353421	IC BA8229
34	EI-376354	IC LC6543C-3471 A2054
35	EI-368240	IC LC7822
36	EI-709084	IC NJM4558DX
37	EI-390063J	IC PD0037
38	EI-381024J	IC SM5807EP
39	EI-358554	IC STK4152II [AM-M570]
40	EI-366695	IC STK4172II [AM-M770]
41	EI-360026J	IC TC74HC04AP
42	EI-390129J	IC TDA1543A
43	EI-367271	IC UPC1490HA
44	EI-725455T	OSC X'TAL 4MHZ
45	EJ-368258	SOCKET OPTICAL TORX172 [CD OPTICAL]

Ref. No.	Part No.	Description
46	ES-725457T	SW PUSH [SOURCE DIRECT]
47	*ES-725467T	SW PUSH [E,V,B,S] [POWER SW]
48	*ES-361970	SW PUSH SDDL1 01-1 [U] [POWER SW]
49	ES-725456T	SW TACT [CD]
50	ET-356336	TR DTA114ES
51	ET-369248	TR DTA114YS
52	ET-360399	TR DTC114TS
53	ET-354365	TR DTC114YS
54	ET-354414	TR DTC144ES
55	ET-375780	TR FET 2SK381 E F05
56	*ET-353899	TR 25A1317 S,T,U
57	*ET-366365	TR 25B1185 E,F [AM-M570]
58	*ET-373210	TR 25B1187 E,F [AM-M770]
59	*ET-372112	TR 25C2060 R F05
60	ET-360137	TR 25C3330 U,V F05
61	ET-378524J	TR 25C3383 S,T,U
62	ET-328437	TR 25D1012-V F,G F05
63	ET-380685J	TR 25D1761 E,F,G [AM-M770]
64	ET-366581	TR 25D1762 E,F [AM-M570]
65	EV-725592T	VR ROTARY VB161GPV25F-15C50K [BASS]
66	EV-725471T	VR ROTARY VB161PV25F-4BM10K [BALANCE]
67	*EZ-358816	BATTERY LITHIUM BR2032-1HF

2. PC BOARD BLOCK

Ref. No.	Part No.	Description
1A	BA-729689T	PC (#) MAIN BLK AM-M570(U) [U]
1B	BA-729685T	PC (#) MAIN BLK AM-M570(E) [E]
1C	BA-729683T	PC (#) MAIN BLK AM-M570(V) [V]
1D	BA-729681T	PC (#) MAIN BLK AM-M570(B) [B]
1E	BA-729687T	PC (#) MAIN BLK AM-M570(S) [S]
1F	BA-729688T	PC (#) MAIN BLK AM-M770(U) [U]
1G	BA-729684T	PC (#) MAIN BLK AM-M770(E) [E]
1H	BA-729682T	PC (#) MAIN BLK AM-M770(V) [V]
1I	BA-729680T	PC (#) MAIN BLK AM-M770(B) [B]
1J	BA-729686T	PC (#) MAIN BLK AM-M770(S) [S]
2A	BA-729677T	PC (#) MICON BLK AM-M570 [AM-M570]
2B	BA-729676T	PC (#) MICON BLK AM-M770 [AM-M770]
3	BA-729690T	PC D/A BLK AM-M770 [AM-M770]

NOTE

PC (#) MAIN BLK CONSISTS OF FOLLOWING P.C BOARD

- MAIN P.C BOARD
- PHONE P.C BOARD
- POWER SW P.C BOARD

PC (#) MICON BLK CONSISTS OF FOLLOWING P.C BOARD

- CONTROL P.C BOARD
- REMOTE P.C BOARD

3. MAIN P.C BOARD

Ref. No.	Part No.	Description
BD101A	*ED-200213	D SILICON DBA40C-K15 200/2.6A [AM-M570]
BD101B	*ED-350748	D SILICON DBA60C-K15 200/6.0A [AM-M770]
C126	*EC-361665	C EC V CUT 472M 50.0DC
C127	*EC-361665	C EC V CUT 472M 50.0DC
C128	*EC-389170J	C MMY V F12 MMHF 473K 400DC
D101	*ED-200967	D ZENER H RD5.6E B2
D102	ED-301911	D SILICON H DS448
D103	ED-301911	D SILICON H DS448
D104	ED-301911	D SILICON H DS448
D105	ED-301911	D SILICON H DS448
D106	ED-301911	D SILICON H DS448
D107	*ED-308860	D ZENER H RD16E B
D108	*ED-308860	D ZENER H RD16E B
D110	*ED-357754	D SILICON DS135D 200/1.0A
D111	ED-301911	D SILICON H DS448
D112	ED-301911	D SILICON H DS448
D113	ED-301911	D SILICON H DS448 [AM-M770]
D114	*ED-200967	D ZENER H RD5.6E B2 [AM-M770]
D115	ED-301911	D SILICON H DS448
D211	ED-301911	D SILICON H DS448
D212	ED-301911	D SILICON H DS448
IC101	EI-708084	IC NJM4558DX
IC102	EI-368240	IC LC7822
IC103	EI-353421	IC BA6229
IC104A	EI-358554	IC STK4152II [AM-M570]
IC104B	EI-366695	IC STK4172II [AM-M770]
J101	EJ-725461T	PIN J 2P [PHONO]
J102A	EJ-720704	PIN J. 4P [TUNER/CD,AM-M570]
J102B	EJ-725461T	PIN J 2P [TUNER,AM-M770]
J103	EJ-720704	PIN J. 4P [TAPE]
J104	EJ-720704	PIN J. 4P [DAT/VCR]
J105	EJ-720704	PIN J. 4P [PROCESSOR]
R145	*ER-341940	R OMF H S15 FS 1W 100J
R146	*ER-341940	R OMF H S15 FS 1W 100J
R151	*ER-724729T	R FUSE 1W 100
R152	*ER-305791	R FUSE H RF25SJ 1/4W 100J
R158	ER-313517	R OMF H S20 FS 2W 222J
R245	*ER-341940	R OMF H S15 FS 1W 100J
R246	*ER-341940	R OMF H S15 FS 1W 100J
TM101	EJ-725590T	TERMINAL LEVER SP [SPEAKER TERMINAL]
TR101	ET-328437	TR 2SD1012-V F,G F05
TR102	ET-328437	TR 2SD1012-V F,G F05
TR103	ET-369248	TR DTA114YS
TR104	ET-360399	TR DTC114TS
TR105	ET-375780	TR FET 2SK381 E F05
TR106	ET-375780	TR FET 2SK381 E F05
TR107A	ET-366581	TR 2SD1762 E,F [AM-M570]
TR107B	ET-380685J	TR 2SD1761 E,F,G [AM-M770]
TR108A	*ET-366365	TR 2SB1185 E,F [AM-M570]
TR108B	*ET-373210	TR 2SB1187 E,F [AM-M770]
TR109	*ET-360137	TR 2SC2330 U,V F05
TR110	*ET-353899	TR 2SA1317 S,T,U
TR112	ET-368248	TR DTA114YS
TR113	ET-369248	TR DTA114YS
TR114	ET-366581	TR 2SD1762 E,F [AM-M770]
TR115	ET-375780	TR FET 2SK381 E F05
TR116	ET-375780	TR FET 2SK381 E F05

Ref. No.	Part No.	Description
TR117	ET-369248	TR DTA114YS
TR205	ET-375780	TR FET 2SK381 E F05
TR206	ET-375780	TR FET 2SK381 E F05
TR215	ET-375780	TR FET 2SK381 E F05
TR216	ET-375780	TR FET 2SK381 E F05
F101A	*EF-364518	FUSE BET T 250V 2.50A [E,V,B,S] [AM-M570]
F101B	*EF-691007	FUSE SEMKO T 250V 3.15A [E,V,B,S] [AM-M770]
F101C	*EF-359086	FUSE BET T 250V 4.00A [U]
F103A	*EF-691007	FUSE SEMKO T 250V 3.15A [E,V,B,S] [AM-M570]
F103B	*EF-690996	FUSE SEMKO T 250V 4.00A [E,V,B,S] [AM-M770]
F104A	*EF-691007	FUSE SEMKO T 250V 3.15A [E,V,B,S] [AM-M570]
F104B	*EF-690996	FUSE SEMKO T 250V 4.00A [E,V,B,S] [AM-M770]
F201A	*EF-364518	FUSE BET T 250V 2.50A [E,V,B,S] [AM-M570]
F201B	*EF-691007	FUSE SEMKO T 250V 3.15A [E,V,B,S] [AM-M770]
F201C	*EF-359086	FUSE BET T 250V 4.00A [U]

4. CONTROL P.C BOARD

Ref. No.	Part No.	Description
BT101	*EZ-358816	BATTERY LITHIUM BR2032-1HF
D301	*ED-727508J	D ZENER RD5.1E B3
D302	ED-301911	D SILICON H DS448
D303	ED-301911	D SILICON H DS448
D304	ED-301911	D SILICON H DS448
D305	ED-301911	D SILICON H DS448
D306	*ED-741184	D ZENER H RD6.8E B3
D307	ED-725646T	D LED SE-5024D GRN [CD]
D308	ED-725646T	D LED SE-5024D GRN [PHONO]
D309	ED-725646T	D LED SE-5024D GRN [TUNER]
D310	ED-725646T	D LED SE-5024D GRN [DAT/VCR]
D311	ED-725646T	D LED SE-5024D GRN [TAPE]
D312	ED-725646T	D LED SE-5024D GRN
D313	ED-725448T	D LED SE-5004DT RED [MUTING]
D314	ED-365107	D LED SLP-384C-50 GREEN [AM-M770]
D315	ED-365107	D LED SLP-384C-50 GREEN [AM-M770]
IC302	EI-376354	IC LC6543C-3471 A2054
IC303	EI-708084	IC NJM4558DX
SW301	ES-725456T	SW TACT [CD]
SW302	ES-725456T	SW TACT [PHONO]
SW303	ES-725456T	SW TACT [TUNER]
SW304	ES-725456T	SW TACT [DAT/VCR]
SW305	ES-725456T	SW TACT [TAPE]
SW306	ES-725457T	SW PUSH [SOURCE DIRECT]
TR301	ET-360137	TR 2SC3330 U,V F05
TR302	ET-360137	TR 2SC3330 U,V F05
TR303	*ET-372112	TR 2SC2060 R F05
TR304	ET-360399	TR DTC114TS
TR305	ET-354365	TR DTC114YS
TR306	ET-360399	TR DTC114TS
TR307	ET-360137	TR 2SC3330 U,V F05 [AM-M770]
TR308	ET-354365	TR DTC114YS [AM-M770]
TR309	ET-360137	TR 2SC3330 U,V F05 [AM-M770]
VR301	EV-725592T	VR ROTARY VB161GPV25F-15C50K [BASS]
VR302	EV-725592T	VR ROTARY VB161GPV25F-15C50K [TREBLE]
VR303	EV-725471T	VR ROTARY VB161PV25F-4BM10K [BALANCE]
X101	EI-725455T	OSC X-TAL 4MHZ

5. REMOTE P.C BOARD

Ref. No.	Part No.	Description
IC301	EI-367271	IC UPC1480HA
PD301	ED-360409	D PHOTO PN323B

6. POWER SW P.C BOARD

Ref. No.	Part No.	Description
C501A	*EC-320548	C CE V F 103Z 250AC [U]
C501B	*EC-338496	C CE V DE7 FZ 472P 400AC [E,V,B,S]
F501A	*EF-308847	FUSE TSC 125V 1.60A [U] [AM-M570]
F501B	*EF-623103	FUSE SEMKO T 250V 1.00A [E,V,B,S] [AM-M570]
F501C	*EF-306954	FUSE TSC 125V 2.00A [U] [AM-M770]
F501D	*EF-602550	FUSE SEMKO T 250V 1.25A [E,V,B,S] [AM-M770]
L501	*EO-338409	COIL LF FKOBI60MHQ2 250UH [V]
SW501A	*ES-361970	SW PUSH SDDLBI 01-1 [U] [POWER SW]
SW501B	*ES-725467T	SW PUSH [E,V,B,S] [POWER SW]

7. PHONE PC BOARD

Ref. No.	Part No.	Description
J107	EJ-725469T	PHONE J

8. VOLUME P.C BOARD

Ref. No.	Part No.	Description
VR101	EV-388894J	VR SPLRK16Y12MA A104X2

9. LED P.C BOARD

Ref. No.	Part No.	Description
D501	ED-725460T	D LED SE-2422

10. D/A P.C

Ref. No.	Part No.
D1	ED-30
D2	ED-30
D3	ED-34
D4	ED-30
D5	ED-30
IC1	EI-360
IC2	EI-390
IC3	EI-381
IC4	EI-390
IC5	EI-367
IC6	EI-367
J1	EJ-366

TR1	ET-366
TR2	ET-35-
TR3	ET-35-
TR4	ET-35-
TR5	ET-35-
TR20	ET-37-
TR21	ET-37-
TR120	ET-37-
TR121	ET-37-

4. CONTROL P.C BOARD

Ref. No.	Part No.	Description
BT101	*EZ-358816	BATTERY LITHIUM BR2032-1HF
D301	*ED-727509J	D ZENER RD5.1E B3
D302	ED-301911	D SILICON H DS448
D303	ED-301911	D SILICON H DS448
D304	ED-301911	D SILICON H DS448
D305	ED-301911	D SILICON H DS448
D306	*ED-741184	D ZENER H RD6.8E B3
D307	ED-725646T	D LED SE-5024D GRN [CD]
D308	ED-725646T	D LED SE-5024D GRN [PHONO]
D309	ED-725646T	D LED SE-5024D GRN [TUNER]
D310	ED-725646T	D LED SE-5024D GRN [DAT/VCR]
D311	ED-725646T	D LED SE-5024D GRN [TAPE]
D312	ED-725646T	D LED SE-5024D GRN
D313	ED-725448T	D LED SE-5004DT RED [MUTING]
D314	ED-365107	D LED SLP-384C-50 GREEN [AM-M770]
D315	ED-365107	D LED SLP-384C-50 GREEN [AM-M770]
IC302	EI-376354	IC LC6543C-3471 A2054
IC303	EI-708084	IC NJM4558DX
SW301	ES-725456T	SW TACT [CD]
SW302	ES-725456T	SW TACT [PHONO]
SW303	ES-725456T	SW TACT [TUNER]
SW304	ES-725456T	SW TACT [DAT/VCR]
SW305	ES-725456T	SW TACT [TAPE]
SW306	ES-725457T	SW PUSH [SOURCE DIRECT]
TR301	ET-360137	TR 25C3330 U,V F05
TR302	ET-360137	TR 25C3330 U,V F05
TR303	*ET-372112	TR 25C2060 R F05
TR304	ET-360399	TR DTC114TS
TR305	ET-354365	TR DTC114YS
TR306	ET-360399	TR DTC114TS
TR307	ET-360137	TR 25C3330 U,V F05 [AM-M770]
TR308	ET-354365	TR DTC114YS [AM-M770]
TR309	ET-360137	TR 25C3330 U,V F05 [AM-M770]
VR301	EV-725592T	VR ROTARY VB161GPV25F-15C50K [BASS]
VR302	EV-725592T	VR ROTARY VB161GPV25F-15C50K [TREBLE]
VR303	EV-725471T	VR ROTARY VB161PV25F-4BM10K [BALANCE]
X101	EI-725455T	OSC XTAL 4MHZ

5. REMOTE P.C BOARD

Ref. No.	Part No.	Description
IC301	EI-367271	IC UPC1490HA
PD301	ED-360409	D PHOTO PN323B

6. POWER SW P.C BOARD

Ref. No.	Part No.	Description
C501A	*EC-320548	C CE V F 103Z 250AC [U]
C501B	*EC-338496	C CE V DE7 FZ 472P 400AC [E.V.B.S]
F501A	*EF-308847	FUSE TSC 125V 1.60A [U] [AM-M570]
F501B	*EF-623103	FUSE SEMKO T 250V 1.00A [E.V.B.S] [AM-M570]
F501C	*EF-306954	FUSE TSC 125V 2.00A [U] [AM-M770]
F501D	*EF-602550	FUSE SEMKO T 250V 1.25A [E.V.B.S] [AM-M770]
L501	*EO-338409	COIL LF FKOB160MH02 250UH [V]
SW501A	*ES-361970	SW PUSH SDDL B1 01-1 [U] [POWER SW]
SW501B	*ES-725467T	SW PUSH [E.V.B.S] [POWER SW]

7. PHONE PC BOARD

Ref. No.	Part No.	Description
J107	EJ-725468T	PHONE J

8. VOLUME P.C BOARD

Ref. No.	Part No.	Description
VR101	EV-388894J	VR SPLRK16Y12MA A104X2

9. LED P.C BOARD

Ref. No.	Part No.	Description
D501	ED-725460T	D LED SE-2422

10. D/A P.C BOARD(AM-M770 ONLY)

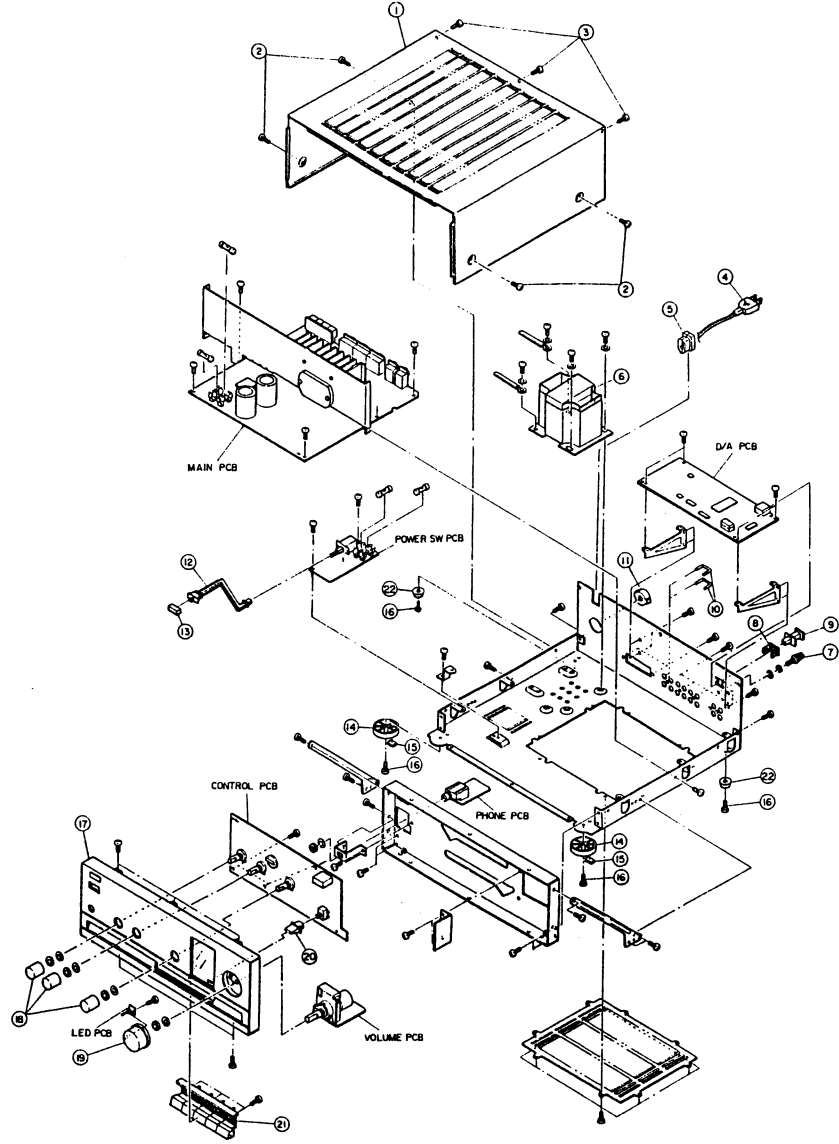
Ref. No.	Part No.	Description
D1	ED-301911	D SILICON H DS448
D2	ED-301911	D SILICON H DS448
D3	ED-346526	D ZENER H HZ681L
D4	ED-301911	D SILICON H DS448
D5	ED-301911	D SILICON H DS448
IC1	EI-360026J1	IC TC74HC04AP
IC2	EI-390063J	IC PD0037
IC3	EI-381024J	IC SM5807EP
IC4	EI-390129J	IC TDA1543A
IC5	EI-367572	IC BA1521B
IC6	EI-367572	IC BA1521B
J1	EJ-368258	SOCKET OPTICAL TORX172 [CD OPTICAL]
TR1	ET-366581	TR 25D1762 E,F
TR2	ET-354414	TR DTC144ES
TR3	ET-356336	TR DTA114ES
TR4	ET-354414	TR DTC144ES
TR5	ET-356336	TR DTA114ES
TR20	ET-378524J	TR 25C3383 S,T,U
TR21	ET-378524J	TR 25C3383 S,T,U
TR120	ET-378524J	TR 25C3383 S,T,U
TR121	ET-378524J	TR 25C3383 S,T,U

11. FINAL ASSEMBLY BLOCK

FINAL ASSEMBLY BLOCK

Ref. No.	Part No.	Description
1	SP-725658J	COVER UPPER-B (S,P)
2	ZS-322580	ST BID40X06STL BNI
3	ZS-305827	ST BID30X06STL BNI
4A	*EW-347489A	AC CORD 2C VM-0129A,VFF U/T [U]
4B	*EW-347897	AC CORD 2 CORES VM0364,LCFL EV [E,V]
4C	*EW-346249	AC CORD 2 CORES LCFL2X0.75 B [B]
4D	*EW-347898	AC CORD 2 CORES VM-0436,LCFL S [S]
5	*EZ-371605	BUSH CORD 2271
6A	*BT-725451T	TRANS POW AM-M459(U) [U] [AM-M570]
6B	*BT-725450T	TRANS POW AM-M459(E,V) [E] [AM-M570]
6C	*BT-729695T	TRANS POW AM-M570(V) [V] [AM-M570]
6D	*BT-725449T	TRANS POW AM-M459(B,S) [B,S] [AM-M570]
6E	*BT-725474T	TRANS POW AM-M659(U) [U] [AM-M770]
6F	*BT-725473T	TRANS POW AM-M659(E,V) [E] [AM-M770]
6G	*BT-729694T	TRANS POW AM-M770(V) [V] [AM-M770]
6H	*BT-725472T	TRANS POW AM-M659(B,S) [B,S] [AM-M770]
7	EJ-722929T	TERMINAL EARTH
8	SE-375348	ESCUTCHEON [AM-M770]
9	SZ-725384J	CAP OPTICAL PROTECTOR [AM-M770]
10	EJ-720690	PLUG SHORT PIN
11	*ES-349070	SW SELECTOR YKS11-0002 02-4 [U]
12	MZ-725489T	JOINT POWER
13	SK-725482T	KNOB POWER-B
14	SA-729691T	FOOT [FRONT]
15	SA-729692T	CUSHION FOOT
16	ZS-305827	ST BID30X06STL BNI
17A	BD-729679T	PANEL FRONT BLK AM-M570
17B	BD-729678T	PANEL FRONT BLK AM-M770
18	SK-725598T	KNOB TONE-B
19	SK-725599T	KNOB VOL-B
20	SK-725476T	KNOB PUSH-B
21	SK-725650T	KNOB SELECTOR-B ASSY
22	SA-729693T	FOOT [REAR]
23	ZS-362151	PT BR30X12STL BNI
30	EJ-722923T	AC SOCKET (J) [U]

NOTE:
Parts will not be supplied if they are not listed in the parts list, even if they appear on the assembling illustrations with reference No.



Part No.	Ref. No.	Part No.	Ref. No.	Part No.
AX-729675T	1-1	ED-725646T	1-12	ER-341940
BA-729676T	2-2B	ED-725646T	4-D307	ER-724729T
BA-729677T	2-2A	ED-725646T	4-D308	ES-349070
BA-729680T	2-1I	ED-725646T	4-D309	ES-361970
BA-729681T	2-1D	ED-725646T	4-D310	ES-361970
BA-729682T	2-1H	ED-725646T	4-D311	ES-725456T
BA-729683T	2-1C	ED-725646T	4-D312	ES-725456T
BA-729684T	2-1G	ED-727509J	1-23	ES-725456T
BA-729685T	2-1B	ED-727509J	4-D301	ES-725456T
BA-729686T	2-1J	ED-741184	1-22	ES-725456T
BA-729687T	2-1E	ED-741184	4-D306	ES-725456T
BA-729688T	2-1F	EF-306954	1-31	ES-725457T
BA-729689T	2-1A	EF-306954	6-F501C	ES-725457T
BA-729690T	2-3	EF-308847	1-30	ES-725467T
BD-729678T	11-17B	EF-308847	6-F501A	ES-725467T
BD-729679T	11-17A	EF-359086	1-25	ET-328437
BT-725449T	1-2	EF-359086	3-F101C	ET-328437
BT-725449T	11-6D	EF-359086	3-F201C	ET-328437
BT-725450T	1-3	EF-364518	1-24	ET-353899
BT-725450T	11-6B	EF-364518	3-F101A	ET-353899
BT-725451T	1-4	EF-364518	3-F201A	ET-354365
BT-725451T	11-6A	EF-602550	1-27	ET-354365
BT-725472T	1-4	EF-602550	6-F501D	ET-354365
BT-725472T	11-6H	EF-623103	1-26	ET-354414
BT-725473T	1-7	EF-623103	6-F501B	ET-354414
BT-725473T	11-6F	EF-690996	1-29	ET-354414
BT-725474T	1-8	EF-690996	3-F103B	ET-356336
BT-725474T	11-6E	EF-690996	3-F104B	ET-356336
BT-729694T	1-9	EF-691007	1-28	ET-356336
BT-729694T	11-6G	EF-691007	3-F101B	ET-360137
BT-729695T	1-5	EF-691007	3-F103A	ET-360137
BT-729695T	11-6C	EF-691007	3-F104A	ET-360137
EC-320548	6-C501A	EF-691007	3-F201B	ET-360137
EC-338496	6-C501B	EI-353421	1-33	ET-360137
EC-361665	3-C126	EI-353421	3-C103	ET-360137
EC-361665	3-C127	EI-358554	1-39	ET-360399
EC-389170J	3-C128	EI-358554	3-C104A	ET-360399
ED-200213	1-15	EI-360026J1	1-41	ET-360399
ED-200213	3-BD101A	EI-360026J1	10-IC1	ET-360399
ED-200967	1-21	EI-366695	1-40	ET-366365
ED-200967	3-D101	EI-366695	3-C104B	ET-366365
ED-200967	3-D114	EI-367271	1-43	ET-366581
ED-301911	1-18	EI-367271	5-IC301	ET-366581
ED-301911	3-D102	EI-367572	1-32	ET-366581
ED-301911	3-D103	EI-367572	10-IC5	ET-366581
ED-301911	3-D104	EI-367572	10-IC6	ET-369248
ED-301911	3-D105	EI-368240	1-35	ET-369248
ED-301911	3-D106	EI-368240	3-IC102	ET-369248
ED-301911	3-D111	EI-376354	1-34	ET-369248
ED-301911	3-D112	EI-376354	4-IC302	ET-369248
ED-301911	3-D113	EI-381024J	1-38	ET-372112
ED-301911	3-D115	EI-381024J	10-IC3	ET-372112
ED-301911	3-D211	EI-390063J	1-37	ET-373210
ED-301911	3-D212	EI-390063J	10-IC2	ET-373210
ED-301911	4-D302	EI-390128J	1-42	ET-375780
ED-301911	4-D303	EI-390129J	10-IC4	ET-375780
ED-301911	4-D304	EI-708084	1-36	ET-375780
ED-301911	4-D305	EI-708084	3-IC101	ET-375780
ED-301911	10-D1	EI-708084	4-IC303	ET-375780
ED-301911	10-D2	EI-725455T	1-44	ET-375780
ED-301911	10-D4	EI-725455T	4-X101	ET-375780
ED-301911	10-D5	EJ-368258	1-45	ET-375780
ED-308860	1-20	EJ-368258	10-J1	ET-375780
ED-308860	3-D107	EJ-720690	11-10	ET-378524J
ED-308860	3-D108	EJ-720704	3-J102A	ET-378524J
ED-346526	1-19	EJ-720704	3-J103	ET-378524J
ED-346526	10-D3	EJ-720704	3-J104	ET-378524J
ED-350748	1-16	EJ-720704	3-J105	ET-378524J
ED-350748	3-BD101B	EJ-722923T	11-30	ET-380685J
ED-357754	1-17	EJ-722929T	11-7	ET-380685J
ED-357754	3-D110	EJ-725461T	3-J101	EV-388894J
ED-360409	1-14	EJ-725461T	3-J102B	EV-725471T
ED-360409	5-PD301	EJ-725469T	7-J107	EV-725471T
ED-365107	1-13	EJ-725590T	3-TM101	EV-725592T
ED-365107	4-D314	EO-338409	6-L501	EV-725592T
ED-365107	4-D315	ER-305791	3-R152	EV-725592T
ED-725448T	1-11	ER-313517	3-R158	EW-346249
ED-725448T	4-D313	ER-341940	3-R145	EW-347897
ED-725460T	1-10	ER-341940	3-R146	EW-347898
ED-725460T	9-D501	ER-341940	3-R245	EW-374894

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Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.
AX-729675T	1-1	ED-725646T	1-12	ER-341940	3-R246	EZ-358816	1-67
BA-729676T	2-2B	ED-725646T	4-D307	ER-724729T	3-R151	EZ-358816	4-BT101
BA-729677T	2-2A	ED-725646T	4-D308	ES-340970	11-11	EZ-371605	11-5
BD-729680T	2-1H	ED-725646T	4-D309	ES-361970	1-48	MZ-725489T	11-12
BD-729681T	2-1D	ED-725646T	4-D310	ES-361970	6-SW501A	SA-729691T	11-14
BD-729682T	2-1H	ED-725646T	4-D311	ES-725456T	1-48	SA-729692T	11-15
BD-729683T	2-1C	ED-725646T	4-D312	ES-725456T	4-SW301	SA-729693T	11-22
BA-729684T	2-1G	ED-727509J	1-23	ES-725456T	4-SW302	SE-375348	11-8
BD-729685T	2-1B	ED-727509J	4-D301	ES-725456T	4-SW303	SK-725476T	11-20
BA-729686T	2-1J	ED-741184	1-22	ES-725456T	4-SW304	SK-725482T	11-13
BA-729687T	2-1E	ED-741184	4-D306	ES-725456T	4-SW305	SK-725598T	11-18
BA-729688T	2-1F	EF-306954	1-31	ES-725457T	1-46	SK-725599T	11-19
BA-729689T	2-1A	EF-306954	6-F501C	ES-725457T	4-SW306	SK-725650T	11-21
BD-729690T	2-3	EF-308847	1-30	ES-725467T	1-48	SP-725658J	11-1
BD-729678T	11-17B	EF-308847	6-F501A	ES-725467T	6-SW501B	SZ-725384J	11-8
BD-729679T	11-17A	EF-359086	1-25	ET-328437	1-62	ZZ-305827	11-3
BT-725449T	1-2	EF-359086	3-F101C	ET-328437	3-TR101	ZZ-305827	11-16
BT-725449T	11-6D	EF-359086	3-F201C	ET-328437	3-TR102	ZZ-322580	11-2
BT-725450T	1-3	EF-364518	1-24	ET-353899	1-56	ZZ-362151	11-23
BT-725450T	11-6B	EF-364518	3-F101A	ET-353899	3-TR110		
BT-725451T	1-4	EF-364518	3-F201A	ET-354365	1-53		
BT-725451T	11-6A	EF-402550	1-27	ET-354365	4-TR305		
BT-725472T	1-6	EF-602550	6-F501D	ET-354365	4-TR308		
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- PARTS LIST

ABBREVIATIONS (AMPLIFIER)

ABBREVIATIONS	EXPLANATION
A	Analog
AC	Alternating Current
AMP	AMPlifier
CD	Compact Disc
COM	COMmon
D	Digital
D/A	Digital to Analog
DAC	Digital to Analog Converter
DAT	Digital Audio Tape recorder
DC	Direct Current
GND	GrouND
L	Left
LED	Light Emitting Diode
MC	Moving Coil
MM	Moving Magnet
PCB	Printed Circuit Board
R	Right
REG.	REGulator
REC	RECORD
TR	TRansistor
SW	SWitch
V.AMP	Voltage AMPlifier
V.DISC	Video DISC
VR	Variable Resistance
VTR	Video Tape Recorder

AM-ME7D
AM-M77D

AKAI ELECTRIC CO., LTD.

12-14, 2-Chome, Higashi-Kojiya, Ohta-ku, Tokyo, Japan
 SERVICE DEPARTMENT TEL: Tokyo (745)9884 TELEX J26261
 Printed No 890714 Printed Date July 21, 1989
 Printed in Japan

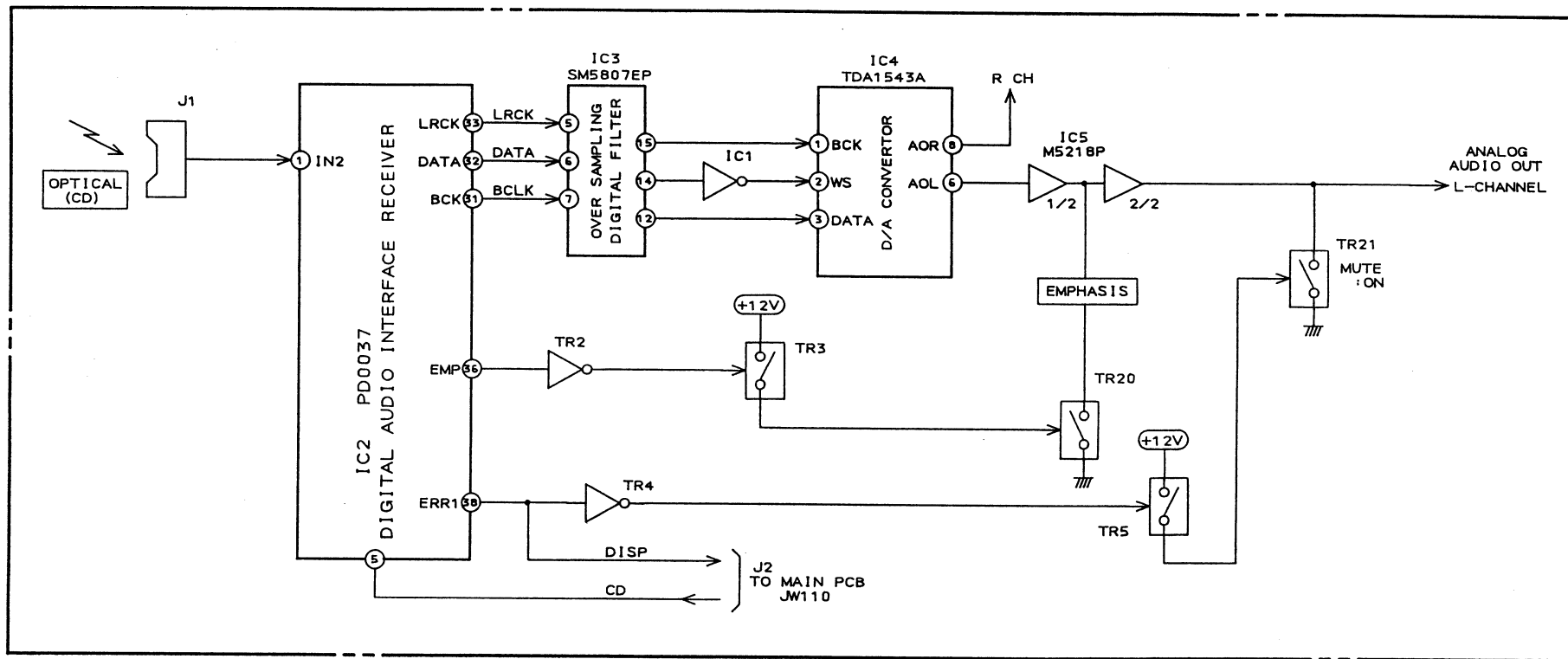
AKAI

MODEL **AM-M570,M770**

SCHEMATIC DIAGRAMS AND PC BOARDS

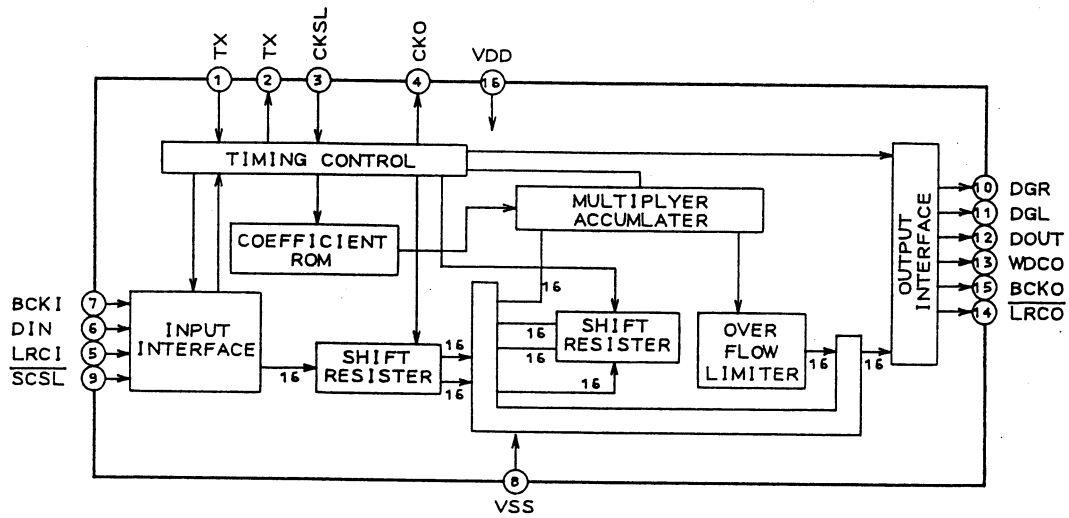
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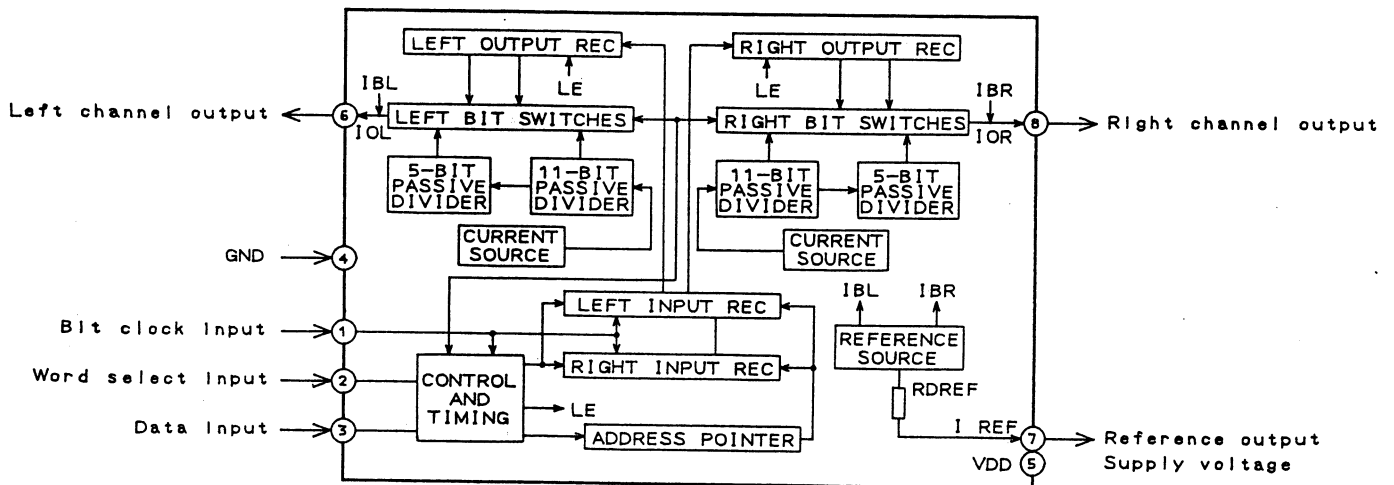


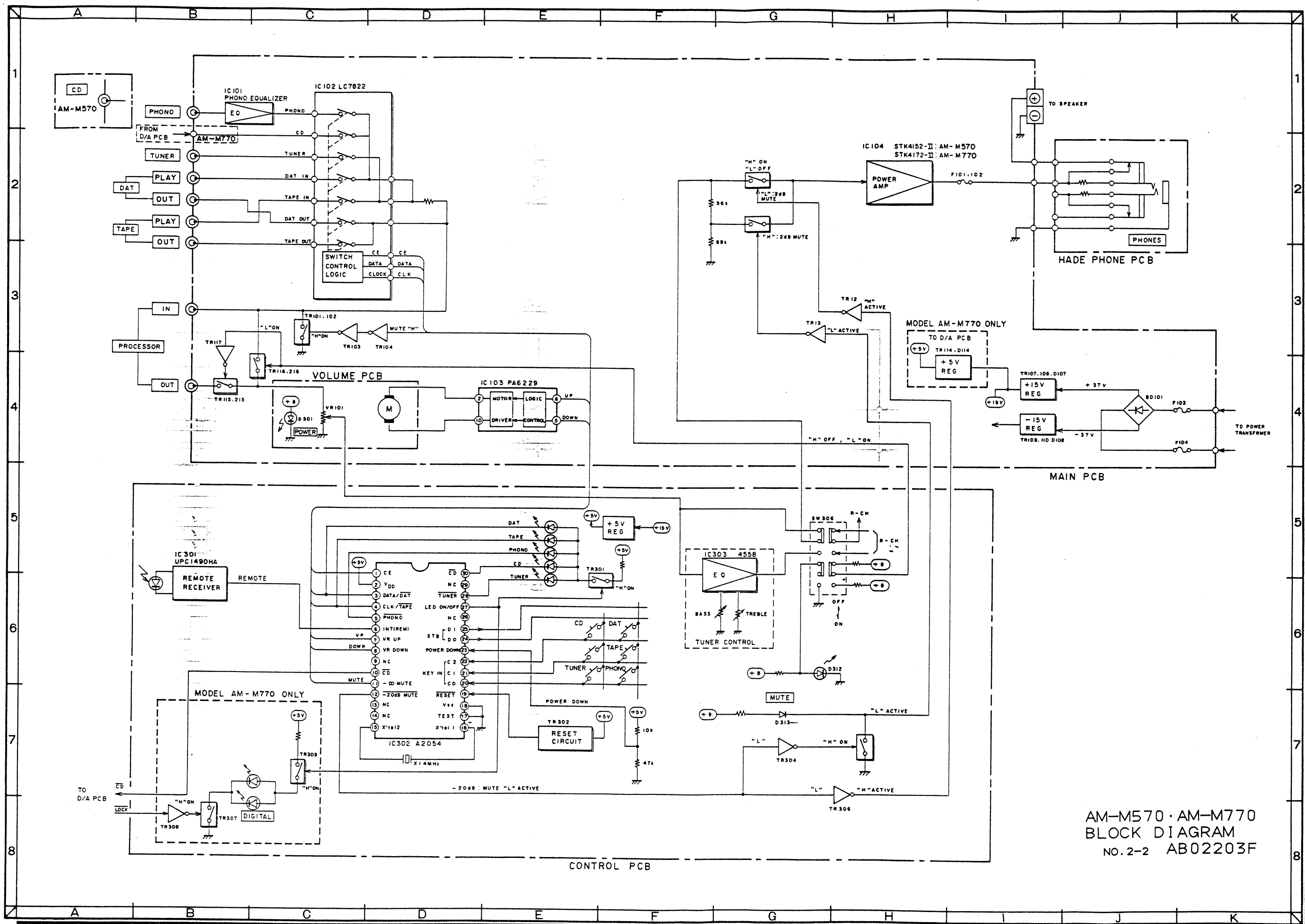
AM-M770
DAC
BLOCK DIAGRAM
NO.2-1 AB20351M

SM5807 (Digital Filter)



TDA1543A (D/A Convertor)



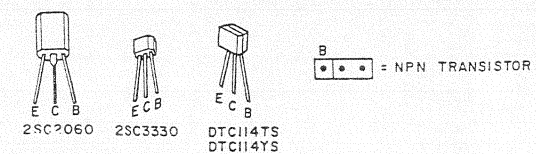


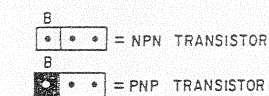
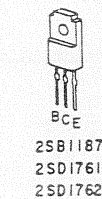
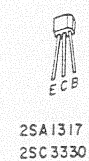
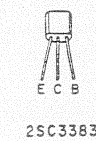
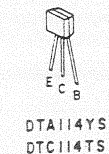
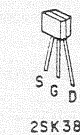
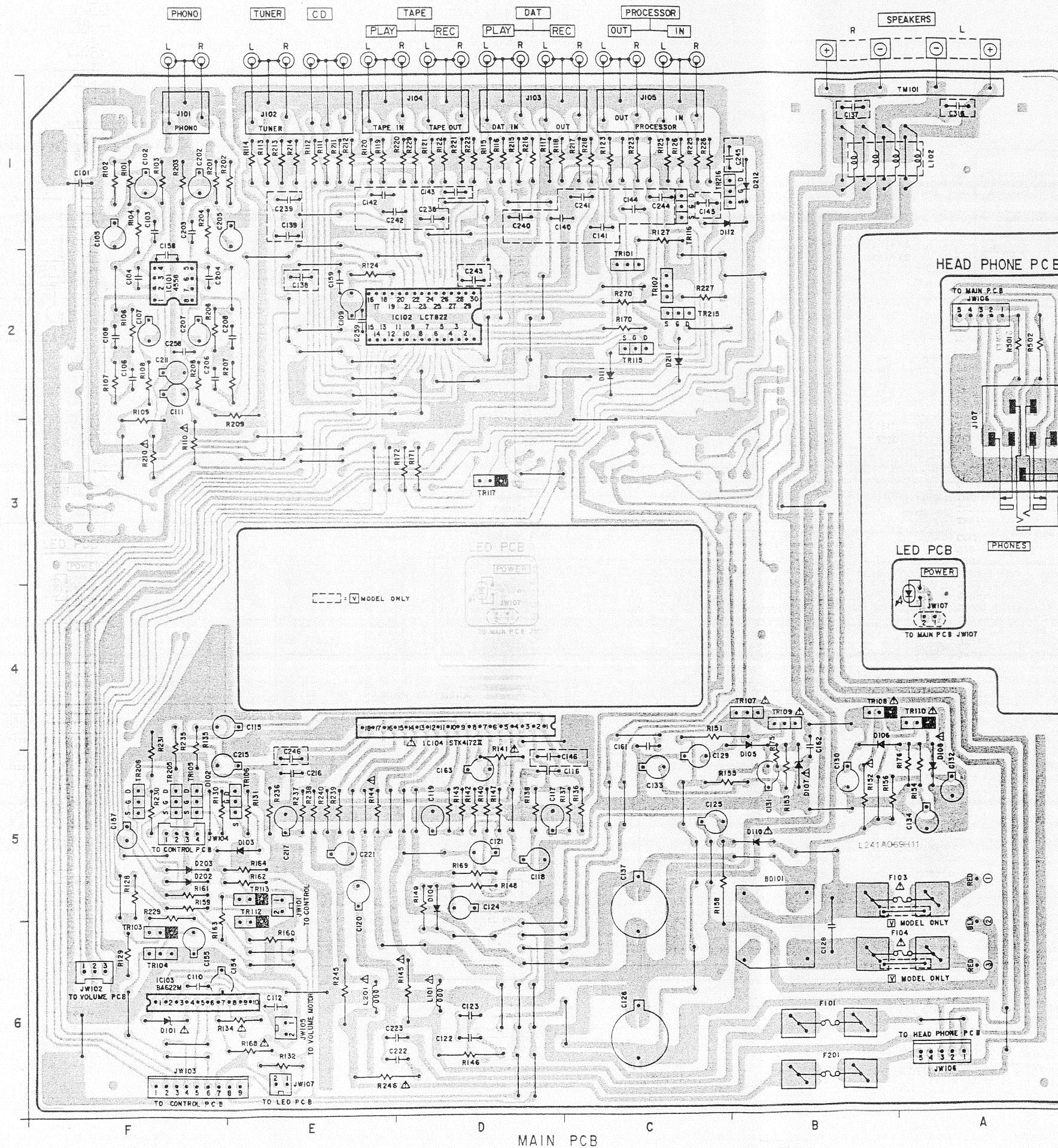
AM-M570 · AM-M770
BLOCK DIAGRAM
NO.2-2 AB02203F



TRANSISTOR'S
TR301.....G2
TR302.....E2
TR303.....E1
TR304,305,306.G1

CONNECTOR'S
JW101.....G1
JW103.....F1
JW104.....H1, I1
JW301.....C1





LOCATION OF COMPONENTS

ICS

IC101.....F2

IC102.....D2

IC103.....F6

IC104.....D4

TRANSISTORS

TR101,102....C2

TR103,104....F6

TR105.....F5

TR106.....E5

TR107,108

109.....B4

TR110.....A4

TR112.....E6

TR113.....E5

TR116.....C1

TR117.....D3

TR205,206....F5

TR215.....C2

TR216.....B1

CONNECTORS

J101.....F1

J102.....E1

J103,104....D1

J105.....C1

J106.....F1

JW101,104....F5

JW102,103....F6

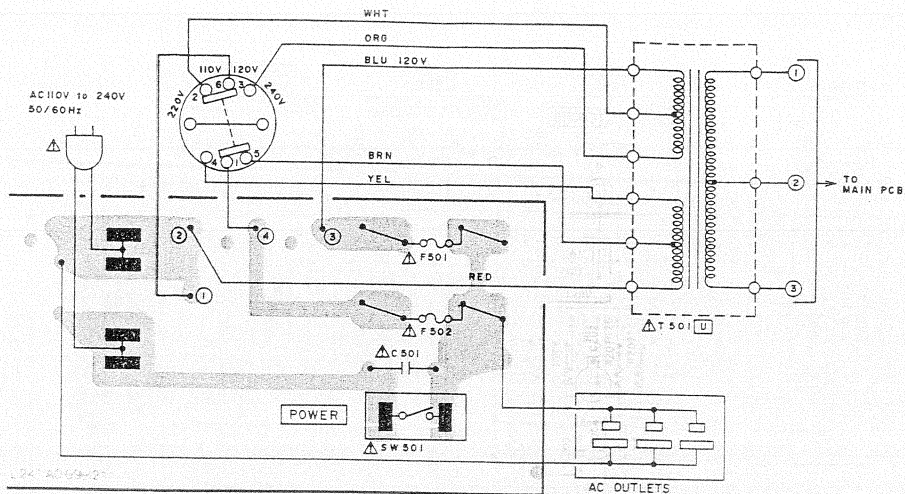
JW105.....E6

JW106.....A6

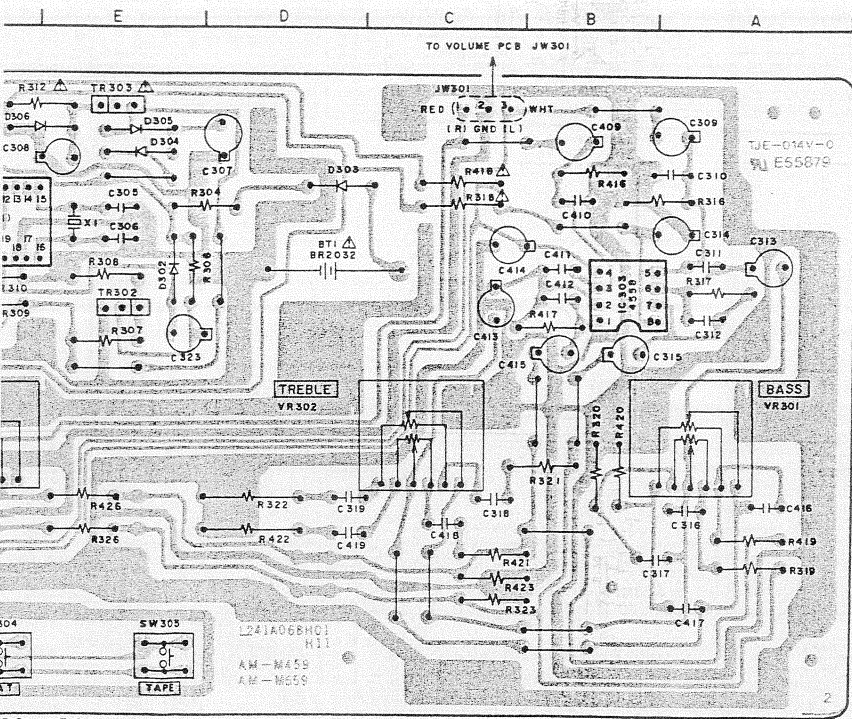
JW107.....E7

WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

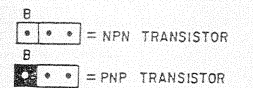
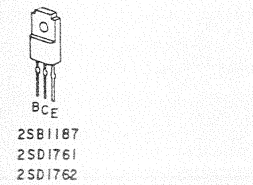
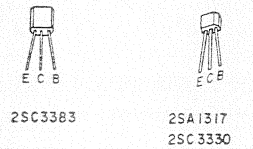
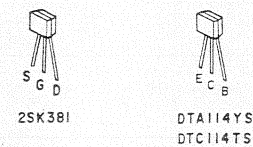
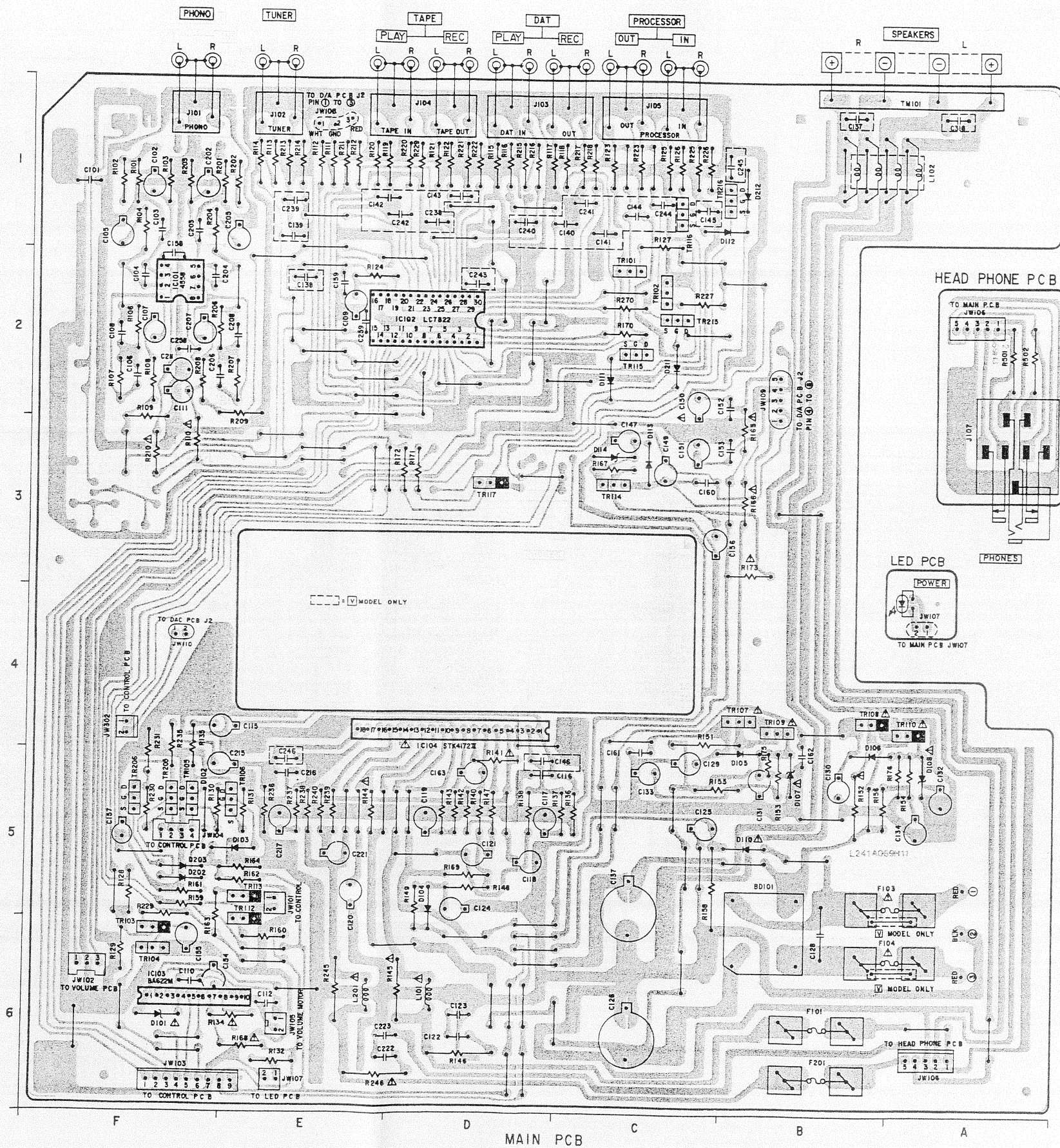
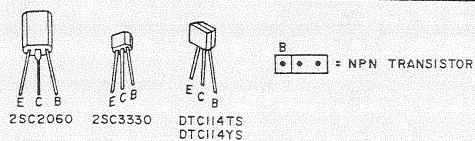
AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT



POWER SWITCH PCB [U] MODEL ONLY



ROL PCB



LOCATION OF COMPONENTS

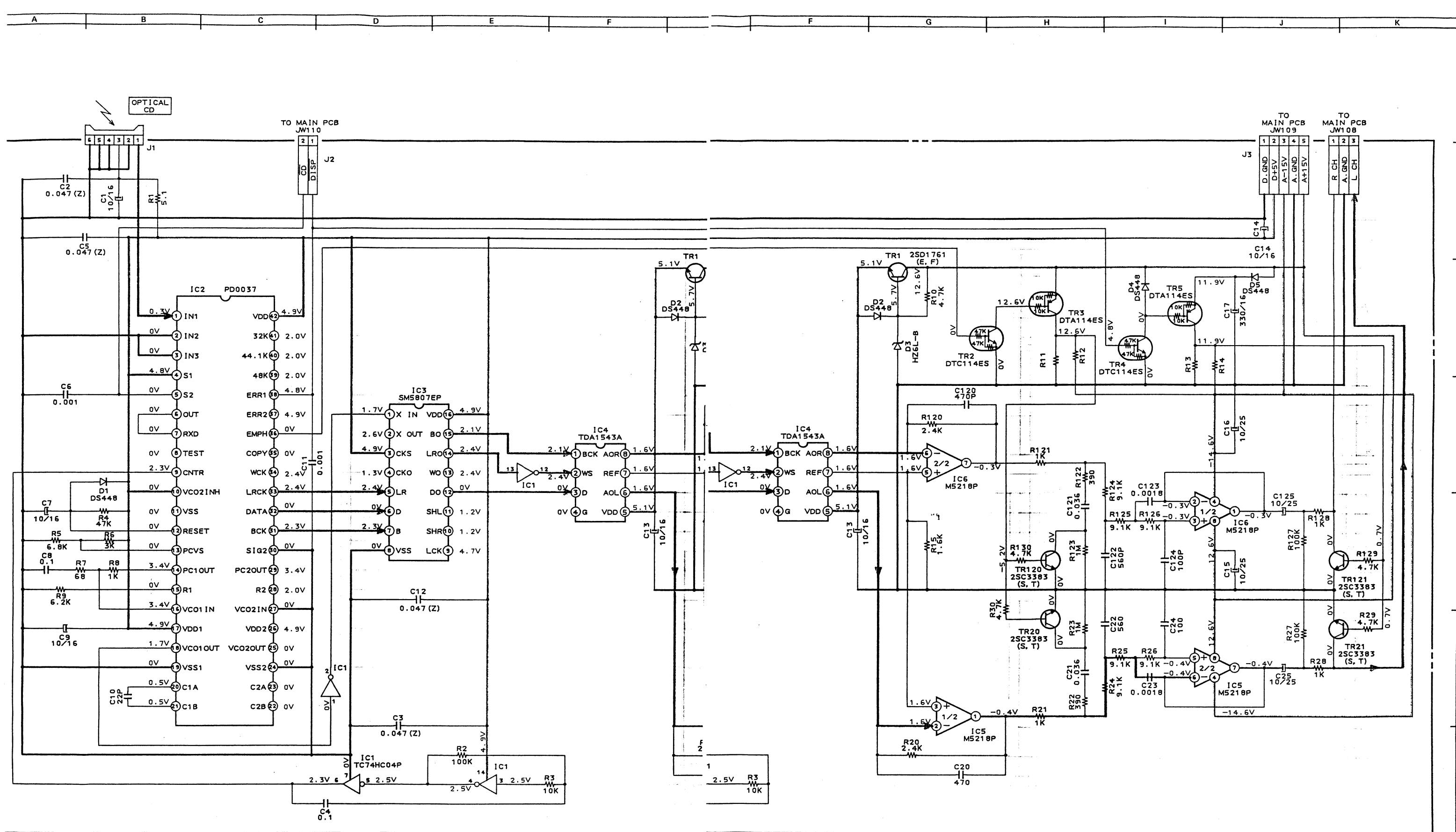
ICS
IC101.....F2
IC102.....D2
IC103.....P6
IC104.....D4

TRANSISTORS
TR101, 102....C2
TR103, 104....F6
TR105.....P5
TR106.....E5
TR107, 108
109.....B4
TR110.....A4
TR111.....F3
TR112.....E6
TR113.....E5
TR116.....C1
TR117.....D3
TR205, 206....F5
TR215.....C2
TR216.....B1

CONNECTORS
J101.....F1
J102.....E1
J103, 104....D1
J105.....C1
J106.....F1
JW101, 104....F5
JW102, 103....F6
JW105.....E6
JW106.....A6
JW107.....E7
JW108.....E1
JW109.....B2
JW110.....F4
JW302.....F4

TY CRITICAL COMPONENTS FOR CONTINUED SAFETY,
CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S
RTS

E LES COMPOSANTS CRITIQUES DE SÉCURITÉ.
E DEGRÉ DE SÉCURITÉ DE L'APPAREIL.
IE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT



DAC PCB L241A087

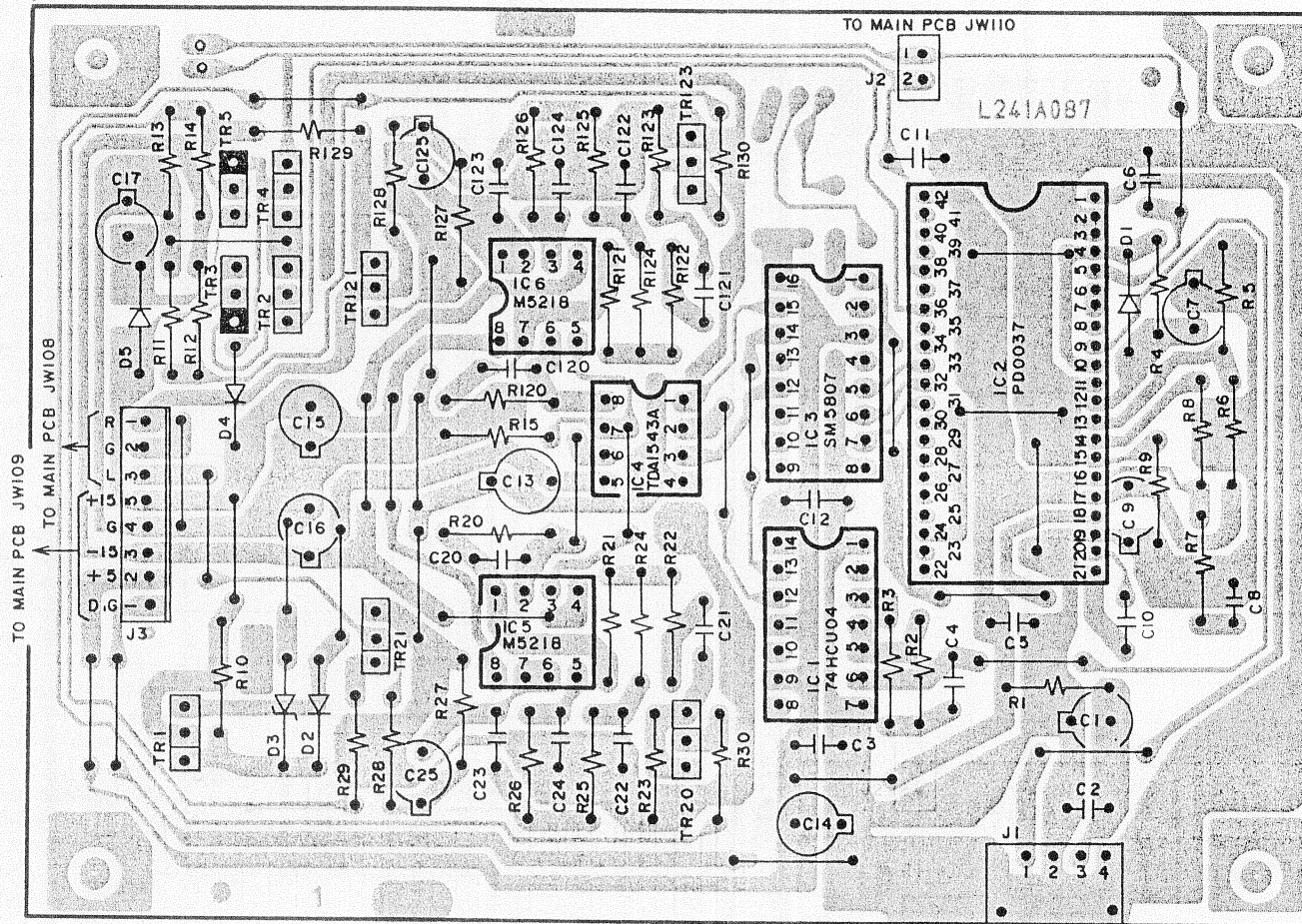
NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W (J)
ALL CAPACITORS IN μ F 50 WV (M)

1ED
/4W (J)
WV (M)

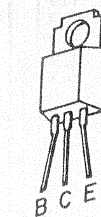
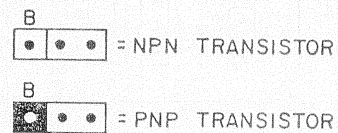
B (POWER SUPPLY) LINE
SIGNAL LINE

AM-M770
DAC PCB
SCHEMATIC DIAGRAM
NO. 3-3 AB20302M





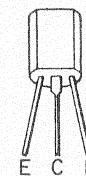
DAC PCB L241A087



2SD1761



DTA114ES
DTC144ES



2SC3383

PD0037 (Digital Audio Interface Receiver)

PIN NO	SYMBOL	I/O	FUNCTION
1	IN1	I	Data Input
2	IN2	I	Data Input
3	IN3	I	Data Input
4	S1	I	Input Select
5	S2	I	Input Select
6	OUT	O	MPX Data out
7	RXD	I	Data Input
8	$\overline{\text{TEST}}$	I	TEST MODE Input
9	CNTR	I	Counter Clock Input
10	2 INH	I	VCO "2" ON/OFF Control. H=OFF
11	VSS	—	—B (OV)
12	$\overline{\text{RESET}}$	I	Power "ON" Reset Input
13	PCVS	I	VCO "1" "2" Input
14	PC1 OUT	O	Phase comparator "1" output
15	R1	—	External resistor Connection Terminal for VCO (1)
16	VCO1 IN	I	Control Voltage Input
17	VDD1	—	+B(5V)
18	VCO1 out	O	NC
19	VSS1	—	GND for vco Circuit
20	C1A	—	External Capacitor Connection Terminal for VCO (1)

21	C1B	—	External Capacitor Connection Terminal for VCO (1)
22	C2B	—	External Capacitor Connection Terminal for VCO (2)
23	C2A	—	External Capacitor Connection Terminal for VCO (2)
24	VSS2	—	—B (OV)
25	VCO2 OUT	O	VCO Output (384fs)
26	VDD	—	+B (+5V)
27	VCO 2 IN	I	Control voltage Input
28	R2	—	External Resistor Connection Terminal for VCO (2)
29	PC 2 OUT	O	Phase comperator "2" Output
30	SIG 2	I	Phase comperator "2" Input
31	BCK	O	BCK Output
32	DATA	O	Audio Data Output
33	LRCK	O	Data Output (H=Lch, L=Rch)
34	WCK	O	Data word clock Output
35	COPY	O	Copy data Output
36	EMPH	O	H: EMPHASIS "ON"
37	ERR 2	O	H: UNLOCK "ON"
38	ERR 1	O	H=Error
39	48K	O	Sampling frequency data Output. L=active
40	44.1K	O	
41	32K	O	
42	VDD	—	+B (+5V)